HIGHLIGHTS OF PRESCRIBING INFORMATION
These highlights do not include all the information needed to use SUBVENITE safely and efferences ribing information for SUBVENITE.

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Warnings and Precautions, Hemophagocytic
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recapy in patients aged 16 years and older. Conversion to monotherapy in patients with partial-onset we coving treatment with carbamazepine, phenytoin, phenobarbital, primidone, or valproate as the single

values who are receiving transment with culturancysine, plerophysic, phenolabeth of prediction, or values as the single ALL (1.1) and ALL (1.1

Findence:

**Adjustive therapy—See Table 1 for potions older than 12 years and Table 2 and 3 for potions aged 2 to 12 years. {

**Conversion in montherapy—See Table 4 (23)

**Banking datasafts of New 5 or 46 (24)

**Tables: 25-ng, 100-ng, 150-ng, and 200 ng, core 4 (3.1.16)

**Tables: 25-ng, 100-ng, 150-ng, and 200 ng, core 4 (3.1.16)

- Learner, 25 mg, 150 mg, 150 mg, and 200 mg, stores, (3.1, 8)

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WARNING AND PEECATIONS

- Like-bearaning serious reals and/or reals-related death: Discontinue at the first sign of rash, unless the rash is clearly used from the control of the control or the control of t

Hippermensivity in the deep or in imperious, (Brosel Vension, 2). Like-discussing section and another included of the Richards and CAMPIONS.

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Pregnancy: Based on animal data may cause feetal harm. (8.1)
Pregnancy: Based on animal data may cause feetal harm. (8.1)
Pspatic impairment: Drouge adjactiments required in patients with moderate and sewere liver impairment. (2.1, 8.6)
Renal impairment: Reduced maintenance doses may be effective for patients with significant renal impairment. (2.1, 8.7).
8.71.

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FULL PRESCRIBING INFORMATION

WARNING: SERIOUS SKIN RASHES

WARNING-SERIOUS SKIN RASHES
SUBVENTE ¹⁷ We can care serious rather requiring hospitalization and discontinuation of treatment. The incidence of these earlies, which have included Stevens-Johnson syndroms to the continuation of treatment. The incidence of these rather, which have included Stevens-Johnson syndroms in the continuation of the con

rate.

Other than age, there are as yet an factors identified that are known to predict the risk of accurrence or the severity of rath caused by SLBWENTE. There are suggestions, yet to be proven, that there is for arism any also be increased by (I) containistration of SUBVENTE with valproate (includes valproise acid and divalproes sodium), (2) exceeding the recommended initial does of SUBVENTE; or (2) exceeding the recommended does reclaimly for SUBVENTE. It of you exceed the description of SUBVENTE. It of the control of the description of SUBVENTE. It over the control in the absence of these factors.

absence of these factors.

Norryl alcases of the theoreting rabbes caused by SUBVENITE have occurred within 2 to
B weeks of treatment initiation. However, isolated cases have occurred after probaged
to treatment (e.g., fameths). Accordingly, autamion of therapy cannot be relied upon as
means to predict the potential risk heralded by the first appearance of a rash.
Almosph benign ranhse are also caused by SUBVENITE, it is not possible to predict
reliably which ran bes will prove to be serious or life threatening. Accordingly, SUBVENITE
should orfinally be discontinued at the first sign of rash, unless the rash is charje to
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1 INDICATIONS AND USAGE

Adjunctive Therapy.

SUBVENITE is indicated as adjunctive therapy for the and older:

partial-omet seizures.

primary generalized tonic-clonic (PGTC) seizures.
generalized seizures of Lemox-Gastaut synthome. ated as adjunctive therapy for the following seizure types in patients aged 2 years

SUBVENITE is indicated for conversion to monotherapy in adults (aged 16 years and older) with partial-orset seizures who are receiving treatment with carbamazepine, phenytoin, phenobarbital,

or valproate as the single antiepileptic drug (AED).

Safety and effectiveness of SUBVENITE have not been established (1) as initial monotherapy; (2) for conversion to monotherapy from AEDs other than cathamizepine, phenyioin, phenobarbital, printdom or valproate; or (3) for similatenous conversion to monotherapy from 2 or more concomitant AEDs.

1.2 Rinolar Disorder

SUBVENTE is indicated for the maintenance treatment of bipolar I disorder to delay the time to occurrence of mod episodes (depression, mina, hypomina, mixed episodes) in patients treated for acute mod episodes with standard therapy (see Clinical Studies (14.1)).

Limitations of Use

Treatment of acute manic or mixed episodes is not recommended. Effectiveness of SUBVENITE in the acute treatment of mood episodes has not been established.

2 DOSAGE AND ADMINISTRATION

2.1 General Dosing Considerations

21 General Dosing Considerations

Rash

There are suggestions, yet to be proven, that the risk of severe, potentially life-theoatening rash may

There are suggestions, the SUBVENITE with vulprose, (2) exceeding the recommended

initial dose of SUBVENITE, or (3) exceeding the recommended dose exclasion for SUBVENITE,

However, cases have occurred in the absence of these factors (see Board Worning). Therefore, it is

important that the dosing recommendation be followed closely.

The risk of nonserious rash may be increased when the recommended initial dose and/or the rate of dose escalation for SUBVENITE is exceeded and in patients with a history of allergy or rash to other

AEDs.

SUBVENITE Starter Kits provide SUBVENITE at dosses comistent with the recommended tirral schedule for the first 5 weeks of restatures, based upon concomitant medications for patients with epilepsy (older than 12 years) and hippital clistored (edubl) and are intended to high produce the potential for rash. The use of SUBVENITE Starter Kits is recommended for appropriate patients are sturing or restatung SUBVENITE for the Non-spaled Sourge and Handing (10).

are starting or retaining SUNVENTE [not flow Spopled-Strongs and Headings [16]].

In this recommend that SUNVENTE in the retained galactives with description date to rath associated with prior treatment with lamorityine unless he potential benefits (clerily outweight he risk associated with prior treatment with lamorityine unless he potential benefits (clerily outweight he risk the decisions in motion to result as patient bon discontinued SUNVENTIE, here need not retain to patient he discontinued SUNVENTIE, and the restart with the initial dosing recommendations should be assessed. The greater the interval of time since the recommendation. It patients had stoomted lamoritying for a partied of nore than 5 had lives, it is recommended that initial dosing recommendations and galactines be followed. The half-life of lamority in the patient had recommendation and galactines be followed. The half-life of lamority in the patient of the document medication (see Clinical Phermacology (123)).

SUBVENTIE Added to Drags Known to Induce on kinhibi Clineurandation to induce of inhibit clineurandation may affect the apparent clearance of lamorityine. Drugs that there containing not convergely on a start of the start of the patient of the start of the star

Target Plasma Levels for Patients with Epilepsy or Bipolar Disorder

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A betrapentle planns concerning on any has not been established for lamority line. Dosing of SUPVENTE should be traded on the region: response for Cattor Phermatology (2-2)).

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Pharmotology (12.3)), the unintermore dose of SURVENTE will inmust care need to be increased by a much an 3-fold over the recommended any entinetrance dose to multimal a consistent menting per surface and the second of the sec

Patients Taking Atazanavir/Ritonavir

Delient. Taking. Attenuori/Bittomore. While attenuivifusions does not concentration, no adjustments to the recommended dose-excalation guidelines for SUBVENITE should be necessary solely based on the tree of attenuivifusions: Does excalation should follow the recommended guidelines for initiating adjust two therapy with SUBVENITE based on concominant AED or other concominant medications (or Tables 1.2, and 5), patternel attendy allow guinternance does or SUBVENITE and relating guernolination inducers, the does of SUBVENITE and pure early the guernolination in the control of the subvenit and the properties of the guernolination in the control of the subvenit and the properties of the guernolination in the control of the subvenit and the guernolination in the control of the guernolination in the control of the guernolination in the control of the guernolination in the subvenit and the part of the subvenit and subv

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Discontinuation Strategy

Discontinuation Senses.

Equipper, For patients everviving SUBVENITE in conditionion with other AEDs, a re-evaluation of all AEDs in the regimen should be considered if a change in seisure control or an appearance or worsening of abstract reaction in Stoches; a sile provise reduction of dose over at regid withdrawal face Warrings and Precundom (5.91).

Biocontraining carbanageries, pelsprosity in Stochestabrital, printidore, or other drugs such as rifampin and the protease inhibitors logistaristic material and statement information in Stoches; and the protease inhibitors logistaristic material statements in the statement in the statement of t

2.2 Epilepsy-Adjunctive Therapy

This section provides specific dosing recommendations for patients older than 12 years and patients aged 2 to 12 years. Within each of these age-groups, specific dosing recommendations are provided depending upon consmitar ABIs on other concentant medications (see Table 1 for patiens) older than 12 years and Table 2 for patients aged 2 to 12 years, and we have a patient aged 2 to 12 years on concommata ABIs on the patients aged 2 to 12 years and Table 3.

Older than 12 Years.

ended dosing guidelines are summarized in Table 1.

	Table 1. Escalation Regimen for SUBVENITE in Patients Older than 12 Years with Epilepsy			
	In Patients NOT TAKING Carbamazepine, Phenytoin, Phenobarbital, Primidone in Patients TAKING Carbamazepine, Phenytoin, Phenobarbital, or P			
	In Patients TAKING Valproate a	b, or Valproate a	band NOT TAKING Valproate a	
Weeks 1 and 2	25 mg every other day	25 mg every day	50 mg/day	
Weeks 3 and 4	25 mg every day	50 mg/day	100 mg/day(in 2 divided doses)	
Week 5 onward to maintenance	Increase by 25 to	Increase by 50 mg/day every 1 to 2 weeks.	Increase by	
	50 mg/day every 1 to		100 mg/day every 1 to 2 weeks.	
	2 weeks.			
Usual	100 to 200 mg/day with valproate alone 100 to 400 mg/day with valproate and other drugs that induce glucuronidation (in 1 or 2 divided doses)	225 to 375 mg/day(in 2 divided doses)	300 to 500 mg/day(in 2 divided doses)	
maintenance				
dose				

**Propriet and seven interests as a seven interest in a present contactor are supported contactor or a strategie for formatted f

Recommended dosing guidelines are summirzed in Table 2.

Lower starting doses and slower dose excalation than those used in clinical trials are recommended became of the suggestion that the risk of rash may be decreased by lower starting doses and slower dose excalations. Therefore, maintenance doses will table longer in reach in clinical spartice than in the contraction of the suggestion of the starting doses and slower.

Maintenance doses in patients weighing less than 30 kg, regardless of age or concomitant AED, may need to be increased as much as 50%, lossed on clinical responsi

The smallest available strength of SUBVENTE is 25 mg, and only whole tablets should be administered. If the calculated dose cannot be achieved using whole tablets, the dose should be rounde down to the nearest whole tablet (see How Sunnfeld/Storace and Handlina 1/6) and Medication Guidel.

Table 2. Escalation Regimen for SUBVENITE in Patients Aged 2 to 12 Years with Epilepsy				
	In Patients TAKING Valproate 2 In Patients NOT TAKING Carbamazepine, Phenytoin, Phenobarbital, Primidone In Patients TAKING Carbamazepine, Phenytoin, Phenobarbital, or Primido			
		b, or Valproate a	band NOT TAKING Valproate a	
Weeks 1 and 2	0.15 mg/kg/day in 1 or 2 divided	0.3 mg/kg/day in 1 or 2 divided	0.6 mg/kg/day in 2 divided doses,	
1	doses, rounded down rounded down rounded down to the			

Weeks 3 and 4	down to the nearest whole tablet (see Table 3 for weight- based dosing guide) 0.3 mg/kg/day in 1 or 2 divided doses, rounded doses, to the nearest	to the meanest whole sables 0.6 mg/kg/day in 2 divided doses, rounded down to the	nearest whole tablet 1.2 mg/kg/day in 2 divided doses, rounded down to the
	down to the nearest whole tablet (see Table 3 for weight- based dosing guide)	nearest whole tablet	nearest whole tablet
Week 5 onward to maintenance	The dose should be increased every 1 to 2 weeks as follows: calculate 0.3 mg/kdby, round this amount down to the nearest whole tablet, and add this amount to the previously administered daily dose.	The dose should be increased every 1 to 2 weeks as follows: called and the control of the contro	The dose should be increased every 1 to 2 weeks an follow-calcular 1 to 2 weeks and the same of the sa
Usual Maintenance Dose	1 to 5 mg/kg/day (maximum 200 mg/day in 1 or 2 divided doses)	4.5 to 7.5 mg/kg/day (maximum 300 mg/day in 2 divided doses)	5 to 15 mg/kg/day (maximum 400 mg/day in 2 divided doses)
Maintenance dose in patients less than 30 kg		May need to be increased by as much as 50%, based on clinical response.	May need to be increased by as much as 50%, based on clinical response.

Inhote Labbes, shauld be used for dosing.

As the control of the c

Table 3. The Initial Weight-Based Dosing Guide for Patients Aged 2 to 12 Years Taking Valproate (Weeks 1 to 4) with Epilepsy

If the patient's weight is		Give this daily dose, using the most appropa and 5-mg tablets	riate combination of lamotrigine 2
Greater than	And less than	Weeks 1 and 2	Weeks 3 and 4
6.7 kg	14 kg	2 mg every other day	2 mg every day
14.1 kg	27 kg	2 mg every day	4 mg every day
27.1 kg	34 kg	4 mg every day	8 mg every day
34.1 kg	40 kg	5 mg every day	10 mg every day

Usual Admirative Maintenance Done for Endergy
The sum admirative dones identified in Habe 1 and 2 are derived from dusting regimes employed in
the placeho-controlled adjunctive stable in which the efficacy of SIJIVENITE was established. In
placeho-controlled adjunctive stable in which the first controlled adjunctive stable in the placeho-controlled adjunctive stable in the placeho-general placehostic of printinder
suithout sufficiency and stable in the placehost placehost

2.3 Epilepsy-Conversion from Adjunctive Therapy to Monotherapy
The goal of the transition regimens is outerapt to minimal seizure control while mitigating the risk of serious rank associated with the rapid instantion of SUBVENTIE.
The recommender mintenance dose of SUBVENTIE as monotherapy is 500 mg/day given in 2 divided doses.

To avoid an increased risk of rash, the recommended initial dose and subsequent dose escalations for SUBVENITE should not be exceeded [see Boxed Warning].

for SUBVENTE should not be exceeded foe Board Warning).

Conversion from Andrewite Therapy with Charlamegian, Phenghain, Phenghain Phenghain, and Printidore to Montherapy with SUBVENTE.

After achieving alone of 500 mg/day of SUBVENTE using the guidelines in Table 1, the concomitant enzyme-inducing AED should be windiseavely 20% decrements each week over a 4-week period. The enzymen for the windrawal of the concomitant AED is based on experience gainer in the controlled montherapy clinical trial.

Conversion from Andrewite Therapy with Valgroune to Montherapy with SUBVENTEE.

The conversion regimen involves the 4 steps outlined in Table 4.

	SUBVENITE	Valproate	
Step 1	Achieve a dose of 200 mg/day according to guidelines in Table 1.	Maintain established stable dose.	
Step 2	Maintain at 200 mg/day.	Decrease dose by decrements no greater than 500 mg/day/week to 500 mg/day and then maintain for 1 week.	
Step 3		Simultaneously decrease to	
		250 mg/day and maintain for 1 week.	
Step 4	Increase by 100 mg/day every week to achieve maintenance dose of 500 mg/day.	Discontinue.	

No specific dosing guidelines can be provided for conversion to monotherapy with SUBVENITE with AEDs other than carbamazepine, phenytoin, phenobarbital, primidone, or valproate.

2.4 Bipolar Disorder

The goal of maintenance resident with SUBVENITE is to delay the time to soccurrence of mood with standard being polar being the standard polar being the standard being the indications and Usage (1.28).

Patients sking SUBVENITE for more than 16 weeks should be periodically reassessed to determine the need for maintenance treatmen.

above 200 mg/day are not recommended.

Treasmer with SURVINITE is introduced, based on concurrent medications, according to the regimen continuit to Table 3.1 of their purchases the continuit to Table 3.2 of their purchases the continuit to Table 3.2 of their purchases the continuity of the transport of their purchases the continuity of the transport of the transport of the continuity of the transport of the tr 305V eAVE in any there is tunier adjusted to the larger topic (200 ling) as clinically interested in the former drugs are subsequently introduced, the dose of SUBVENITE may need to be adjusted. In particular, the introduction of valproate requires reduction in the dose of SUBVENITE. [see Drug Interactions (7), Clinical Pharmacology (12.3)].

To avoid an increased risk of rash, the recommended initial dose and subsequent dose escals of SUBVENITE should not be exceeded [see Boxed Warning].

Table 5. Escalation Regimen for SUBVENITE in Adults with Bipolar Disorder

		In Patients NOT TAKING Carbamazepine, Phenytoin, Phenobarbital, Primidone	
	4	b, or Valproate a	band NOT TAKING Valproate a
Weeks 1 and 2	25 mg every other day	25 mg daily	50 mg daily
Weeks 3 and 4	25 mg daily	50 mg daily	100 mg daily, in divided doses
Week 5	50 mg daily	100 mg daily	200 mg daily, in divided doses
Week 6	100 mg daily	200 mg daily	300 mg daily, in divided doses
	100 mg daily		up to 400 mg daily, in divided doses

hees shown is shill glucumstation and decrease the appoint columned immergiase (see Drug Immerations); (I clinical Pharmacologis (12.23)).

The characteristic of the contractive pharmacologis (12.23) and the protesses influences and the protesses influences, one that the top exclude antisphopic design, but should be enoughe exclusions (or conscriptions, influences and the protesses influences in the contractive contractive

	Table 6. Douge Adjustments to Self-Earl Earl Addition with Depoint District Police and			
	Discontinuation of Psychotropic Drugs (excluding Valproate		After Discontinuation of Carbamazepine, Phenytoin, Phenobarbital, or Primidone	
	^a ,Carbamazepine,Phenytoin, Phenobarbital, or Primidone b)	After Discontinuation of Valproate a	ь .	
		Current Dose of Lamotrigine (mg/day)100	Current Dose of Lamotrigine (mg/day)400	
Week 1	Maintain current dose of SUBVENITE	150	400	
Week 2	Maintain current dose of SUBVENITE	200	300	

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3 DOSAGE FORMS AND STRENGTHS

3.1 Tablets

25 mg, White to off white, round shape, flat face beveled edge, uncoated tablets debossed with "2L" on one side and break line on other side.

one since ann treast time on oner since.

100 mg, White to off white, round shape, flat face beveled edge, uncoated tablets debossed with "10LA" on one side and break line on other side.

105 mg, White to off white, round shape, flat face beveled edge, uncoated tablets debossed with "15LA" on one side and break line on other side.

 $200\,$ mg, White to off white, round shape, flat face beveled edge, uncoated tablets debossed with "20LA" on one side and break line on other side.

4 CONTRAINDICATIONS

SUBVENITE is contraindicated in patients who have demonstrated hypersensitivity (e.g., rash, angioedem, acute urticaria, extensive pruritus, mucosal ulceration) so the drug or its ingredients [see Boxed Warning, Marnings and Percunitors (5.1, 5.3)].

5 WARNINGS AND PRECAUTIONS

Serious Skin Rashes [see Boxed Warning]

Pediantic Population
The incidence of sertious rash associated with hospitalization and discontinuation of SUBVENITE in a prospectively followed coloured predicting patients (aged 2 to 19 years) is approximately 0.9% to 0.8%. One rash-related death was reported in a prospectively followed colour of 1,938 prediantic patients (aged 2 to 16 years) with gellepsy taking SUBVENITE and approximately 0.9% to 0.8%. One rash-related death was reported in a prospectively followed colour of 1,938 prediantic patients (pediantic patients) (aged 2 to 16 years) with gellepsy taking SUBVENITE and promise the regard, additionally, there have been set exacts of tools epidermal exercity six with and without permutent sequelae and/or death in 102 to 16 years (pediantic patients). The control of the properties of t

Adult Deparlation

Serious rash associated with hospitalization and discontinuation of SUBVENITE occurred in 0.3% (11 of 3.348) of adult patients who received SUBVENITE in premarketing clinical tails of epilepsy, In the pilopial and other mod domorber clinical ruish, the rate of serious rate was 0.08% (16 1.230) of adult patients who received SUBVENITE as initial momebrary and 0.13% (20 1.380) of adult patients who received SUBVENITE as adjunctive theory. No fatalities occurred aroung these individuals. However, in worldwide postumization and the contraction of the contraction

Among the rashes leading to hospitalization were Stevens-Johnson syndrome, toxic epidermal necrolysis, angioedems, and those associated with multiorgan hypersensitivity [see Warnings and Precautions (5.3)].

There is evidence that the inclusion of valproate in a multidrug regimen increases the risk of serious, potentially life-threatening rash in adults. Specifically, of 584 patients administered SUBVENITE with

valproate in epilepsy clinical trials, 6 (1%) were hospitalized in association with rash; in contrast, 4 (0.16%) of 2,398 clinical trial patients and volunteers administered SUBVENITE in the absence of valproate were hospitalized.

Patients with History of Allergy or Rash to Other Antiepileptic Drugs.

The risk of noncerious rash may be increased when the recommended initial dose and/or the rate of dose escalation for SUBVENITE is exceeded and in patients with a history of allergy or rash to othe AED.

5.2 Hemophagocytic Lymphohistiocytosis

3.2 Hemophagocytic Lymphohisticytosis (HIA) has occurred in pediatric and shall patients taking Hemophagocytic hyphohisticytosis (HIA) as a Cutter of in pediatric and shall patients taking SUBVENTE for various indication. HLH is a life-frenering syndrom of phohiogic immuse the patient of the property of the patients of the patien

rsensitivity Reactions and Organ Failure

2.3 numerigan Hypercensitory Keactions and Organ Fadure Multisege physerosisivity reactions, she leaves as dury execution with evaluaphilia and systemic symptoms (DNESS), have occurred with SUBVENTE. Some have been fail or life theoremiqu. The contraction of the contraction o

Fatalities associated with acute multiorgan failure and various degrees of hepatic failure have been reported in 2 of 3,796 adult patients and 4 of 2,435 pediatric patients who received SUBVENITE in epilepsy clinical trials. Rare fatalities from multiorgan failure have also been reported in postmarket use.

Isolated liver failure without rash or involvement of other organs has also been reported with SUBVENITE.

SUBVENTIE.
It is important to note that early munifestations of hypersensitivity (e.g., fever, lymphadenopathy) may ipresent even though a rash is not evident. If such sigms or symptoms are present, the patient should be evaluated immediately. SUBVENTE should be discontinued if an alternative edology for the sigms or symptom: cannot be established.

eValuator in instance, "a symptom camou be established. Symptom camou be established. Frior to initiation of treatment with SUBVENITE, the patient should be instructed that a rash or oth sign or symptoms of hypersensitivity (e.g., fever, lymphaderopathy) may herald a serious medical event and that the patient should report any such occurrence to a healthcare provider immediately.

5.4 Blend Dyscrasias

There have been reports of blood dyscrasias that may or may not be associated with multiorgan bypersemistivity folso leavon as DRESS) [see Warnings and Precentions (5.3)]. These have included reutropenia, leviapenia, ameria, thrombocytopenia, pancytopenia, and, rarely, splastic amenia and pure red cell alphatia.

5.5 Suicidal Behavior and Ideation

AEDs, including SUBVENTE, increase the risk of suicidal thoughts or behavior in patients taking these drugs for any indication, Patients treated with any AED for any indication should be monitored for the emergence or worsering of depression, suicidal thoughts or behavior, and/or any unusual changes in mond or behavior.

in mode of behavior. Probled analyses of 199 glacebo-controlled clinical trials (enconfurance) and adjunctive florage) of 11 different AEDs clawed large patients randomized to 1 of the AEDs bad approximately lavic to the risk and officers. AEDs clawed large patients are considered to 1 of the AEDs bad approximately lavic to the risk and real results and a result of the results and the results are considered to patients. In these trials, which has median resultent duration of 12 weeks, the estimated incidence of suicidal behavior or theiston among 27,063 AED treated patients was 0.43%, compared suicidal shading or relative to the risk and the risk and more injunction of the risk and more injunction extend options to near 1. These work a skilled in single related options to near 1. These work as skilled in the risk and more injunction extend options, but the number of events is too small to allow one contained about the griftent result. These areas of the risks and more injunction extends the risks and more injunction and risks are resulted to the risks and more injunction and risks are resulted to the risks and more injunction and risks are resulted to the risks and more injunction and risks are resulted to the risks and resulted the risks are resulted to the risks and resulted the risks are resulted to the risks and resulted the risks are resulted to the risks and resulted to the risks are resulted to the risks a

any conclusion about drug effect consistion.

The increased risk suitcidal thoughest or behavior with AEDs was observed as early as I week after starting treatment with AEDs and persisted for the duration of resultment assessed. Became must trials included in the analysis did not exearch Versord 24 weeks, for its of suitcidal thoughest on behavior beyond 24 weeks could not be accessed.

The risk of suitcidal houghts or behavior was generally consistent among drugs in the data analysed. The finding of increased risk with AEDs of varying mechanisms of action and across a range of substantially by age (5 to 100) wary in the clinical trials analysed.

Table 7 shows absolute and relative risk by indication for all evaluated AEDs.

Table 7. Risk by Indication for Antiepileptic Drugs in the Pooled Analysi

Indication	Placebo Patientswith Events per 1,000 Patients	Drug Patients with Events per 1,000 Patients	Relative Risk: Incidence of Events in Drug Patients/Incidence in Placebo Patients	Risk Difference: Additional Drug Patients with Events per 1,000 Patients
Epilepsy	1.0	3.4	3.5	2.4
Psychiatric	5.7	8.5	1.5	2.9
Other	1.0	1.8	1.9	0.9
Total	2.4	4.3	1.8	1.9

The relative risk for suicidal thoughts or behavior was higher in clinical trials for epilepsy than in clinical trials for psychiatric or other conditions, but the absolute risk differences were similar for the epilepsy and psychiatric indications.

epilegy and psychiatric indication.

Anyone comisting practining SILIVENITE or any other AED must balance the risk of suicidal thoughts or behavior with the risk of unreaded illness. Epilegy and may other illnesses for which AED are prescribed are from the succession with methods and mentally and an internated risk of articles and the contraction of the prescriber reach to consider whether the energiese of these symptoms in any given patient may be related to the illness being reasted.

Patients, their caregivers, and framilies should be informed that AED, internate for its of varietied.

Patients, their caregivers, and framilies should be informed that AED, internate for its of varietied for the symptomic or the property of the district property of the property of the district property of the property of the property of the district property of the property of

reported immediately to healthcare providers.

5.6 A sepit Memigitis
Therapy with SUBVENTE increase the risk of developing aspept mentinglis. Became of the potential for serious outcomes of utercared meninglists due to other causes, patients should also be evaluated for other causes of neninglists and treated as appropriate.

Prosume/raing cause of angelic meninglists have been reported in pediatric and adult patients. Postume/raing cause of angelic meninglists, who been reported in pediatric and adult patients. Postume/raing cause of a sequence of the properties of the control of the

diagnoses of systemic lupus erythemistous or other ansimmum diseases. Cerebrospoil fillide, 505 analyzed at the time of clicial persentation in reprinter cases was characterized by a mild to moderate pleexyousis, normal glacose levels, and mild to moderate invest in protein. GSF while blood cell count differentials showed a predominace of netrophils in a major of the cases, athough a predominance of lymphocytes was reported in approximately one fiired of the cases. Some guitests about here owned evidence was reported in approximately one fiired of cases. Some guitests about here owned evidence, but and support of the owner and other capacity (predominantly beguit, and rend involvement, which may suggest that in these cases the aspects ementing to shorved we part of a hypersentatively needed for the support of the presentation (2.3)).

5.7 Potential Medication Errors

5.7 Peterial Medication Errors
Medication errors unbewing SUNVENITE have occurred, in particular, the name SUNVENITE can be Medication errors insolved in the SUNVENITE can be between the different formalistion of SUNVENITE. To reduce the potential of medication errors, write and say lamoritigue foreign. Depiction of the SUNVENITE can be found in the Medication Guide that accompanies the products to highlighth the distinctive meltings, colors, and shapes that serve to identify a companies the products to highlighth the distinctive meltings, colors, and shapes that serve to identify the medication error of using the verong dange of rominations patients should be strongly advised to visually impact their tables to verify that they are SUNVENITE, as well as the correct formalision of SUNVENITE, and time they fill their prescription.

SUBVENTE, each time they fill their prescription.

Let Cancendant U. with Oral Centraceptives have been shown to decrease serum concentration of lounting near contraceptives have been shown to decrease serum concentration of lounting for let Confidence produces the state of the

an unpump, com oxize.

As with other AEDs, SUBVENITE should not be abruphy discontinued. In patients with epilepsy there
as possibility of interesting seitner frequency, in clinical trials in adults with bipolar disorder, 2
require a more rapid withdrawal, the dose of SUBVENITE should be upered over a period of at least 2
weeks (approximately 50% reduction per week) four Consumption.

5.10 Status Enilenticus

5.10 Status Epilepticus Valid estimates of his nichorac of readment-emergent status epilepticus among patients treated with SUBVENITE are difficult so obtain because reporters participating in clinical raish did not all employ desired calles for indertifying cases. As a minimum, 7 of 2.243 and that pienes had episolosis that could amequive cally be described as same epilepticus. Inadiation, a marbor of reports of variably defined episolosis of steame accerebation (e.g. extraor clusters, witners thurst) were made.

episodes of seizure exacerbation (e.g., seizure clusters, seizure flutries) were made.

All Student Unserbander Dank in Epiglory (SUDER)
Daring the premarketing development of SUBVENTE, 20 sudden and unexplained deaths were
recorded amage a closur of a 700 gatherine with epilopy (26,72 depisor-years of espoure).
Some of flows could represent seizure-related deaths in which the seizure was not observed, e.g., at
sight. This represents an incidence of 0.000 death per printers way. Allough dist is not exceed that
single. This represents an incidence of 0.000 death per printers way. Allough dist is not exceeded that
incidence of sudden sur-plained death in epilepsy (SUDEP) in patients not receiving SUBVENTE
(origing from 0.000 for the general population of patients with epilepsy, 0.000 det or accreatly
studied clinical vial populations intain to that in the clinical development groups for SUBVENTE,
suggests concerned depends on the comparability of the populations represent on the control of the second of the sec

5.12 Addition of SUBVENITE to a Multidrug Regimen that Includes Valproate
Secure sulproare reduces the clearance of SUBVENITE, the dosage of lammrigine in the presence of valproates is less than half of that required in its absence [see Dosage and/dministration (2, 2, 2, 2, 2, 6), Drops interaction (7)].

5.13 Binding in the Eye and Other Melanin-Containing Tissues

Accordingly, although there are no specific recommendations for periodic ophthalmological monitoring, prescribers should be aware of the possibility of long-term ophthalmologic effects.

False-Positive Drug Test Results

Lamortigine has been reported to interfere with the assay used in some rapid urine drug screens, which can result in false-positive readings, particularly for phencyclidine (PCP). A more specific analytical method should be used to confirm a positive result.

Plasma Concentrations of Lamortigine.

The value of monitoring plasma concentrations of lamotrigine in policets re-aird with SUBVENITE has not been established. Because of the possible pharmacolismed: interactions between lamotrigine and concominate draws may be indiracted, particularly during dougsage adjustments. In general, clinical judgment should be exercised regarding monitoring of plasma levels of lamotrigine and other drugs and whether or not dougsage adjustments are executed.

6 ADVERSE REACTIONS

- 6 ADVERSE REACTIONS
 The following adverse reaction are described in more detail in the Warnings and Precautions section of the their.
 Serious shin rathes fore Warnings and Precautions (5,1)].
 Hemphagespie Lymphohistiocytosis (see Warnings and Precautions (5,2)]
 Hemphagespie Lymphohistiocytosis (see Warnings and Precautions (5,2)]
 Hold dyscrasis (see Warnings and Precautions (5,5)]
 Suicidal behavior and Identian (see Warnings and Precautions (5,5)]
 Acapte teneringinis (see Warnings and Precautions (5,6))
 Acapte teneringinis (see Warnings and Precautions (5,6))
 Suins epileptics (see Warnings and Precautions (5,6))

6.1 Clinical Trial Experience

Because clinical trials are conducted under widely varying conditions, adverse reaction rates observed in the clinical trials of a drug camot be directly compared with rates in the clinical trials of a nomber drug and may not reflect the rates observed in practice.

drug and may not reflect the rises observed in practice.

Falianza

Most Common Adverse Reactions in All Clinical Tritich Adjunction Therapy in Adults with Epilepsy: The
most common dynderse (2.0% for SURVENITE and more common on drug than placebo) adverse
most commonly develved (2.0% for SURVENITE and more common on drug than placebo) adverse
equivalent frequency among placebo-reased patients were distainers, assais, connolence, headstole,
despite frequency among placebo-reased patients were distainers, assais, connolence, headstole,
despite frequency among placebo-reased patients were distainers, assais, connolence, headstole,
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Approximately 11% of the 3,378 adult patients who received SUBVENITE as adjunctive therapy in premarking clirical trials discontinued treatment because of an adverse reaction. The adverse reaction must commonly associated with discontinuation were rash (30%), dizziness (2.8%), and headache (2.5%).

diplopia, burred vision, names, and vonting was dose related.

Monothroupy in daths with Epilopy. The most commandy observed (25% for SUBVENITE and more common on drug than placebo) adverse reactions seen in association with the use of SUBVENITE and more common on drug than placebo) adverse reactions seen in association with the use of SUBVENITE and drug the monotherapy phase of the controlled risk in adds in tree and neighbort are in the control group were vosting, coordination abnormality, dyspepsis, names, dizzires, rhintis, sandery, innomas, for SUBVENITE admire common industry and packbool adverser reactions associated with the use of SUBVENITE during the conversion to monotherapy (add-on) period, not seen an equivalent frequency aming low-dose onlynosis extended patients, were discribes, Subdack, musco, with the use of SUBVENITE during the conversion to monotherapy (add-on) period, not seen an equivalent (regency aming low-dose onlynosis extended patients, were discribes, Subdack, musco, and for the subsequence of the control of the subsequence of the control of the subsequence of the subsequ

assement (2.4%).
Adjunctive Thorupy in Pediatric Patients with Epilepsy: The most commonly observed (2.5% for SUBVENTE and more common of may than placeboo) adverse reactions seem in association with the use of SUBVENTE and apprective transmitter in pediatric patients angle 20 to 10 years and use end and equivalent are in the control group were infectioned in pediatric patients and 20 to 10 years and use end and equivalent are in the control group were infections, or the period of the p

cupopa.

In 339 patients aged 2 to 16 years with partial-onset seizures or generalized seizures of Lemox-Gastau syndrome, 4.2% of patients on lamoritgine and 2.9% of patients on placebo discontinued due to adverse reactions. The most commonly reported adverse reaction that led to discontinuation of lamoritgine was rash.

rath. Approximately 11.5% of the 1,081 pediatric patients aged 2 to 16 years who received SUBVENITE as adjusted whe therapy in premarketing clinical trails discontined treatment because of an adverse reaction. The adverse reaction must commanly associated with discontinuous were rath (4.4%), reaction aggrarated (1.7%), and ataxis (0.0%). Correlated Adjunction Clinical Trains in Adults with Epileppy: Table 8 lists adverse reactions that occurred in adult agarents with epilepsy treased with SUBVENITE in placebo-controlled drails. In these trails, either SUBVENITE or placebo was added to be patients' curred AED therapy.

Table 8. Adverse Reactions in Pooled. Placebo-Controlled Adjunctive Trials in Adult Patients with Epil

Table 8. /	Adverse Reactions in Pooled, Placebo-Controlled Adjunctive Tr	ials in Adult Patients with Epilepsy 4,0
	Percent of Patients Receiving Adjunctive SUBVENITE(n = 711)	Percent of Patients Receiving Adjunctive Placebo (n = 419)
Body as a whole		
Headache	29	19
Flu syndrome	7	6
Fever	6	4
Abdominal pain	5	4
Neck pain	2	i
Reaction aggravated	2	1
(seizure exacerbation)	=	-
Digestive		
Nausea	19	10
Vomiting	9	4
Diarrhea	6	7
Dyspepsia	5	2
Constipation	4	3
Anorexia	2	3 1
	2	1
Musculoskeletal	2	0
Arthralgia	2	0
Nervous		
Dizziness	38	13
Ataxia	22	6
Somnolence	14	7
Incoordination	6	2
Insomnia	6	2
Fremor	4	1
Depression	4	3
Anxiety	4	3
Convulsion	3	1
Irritability	3	2
Speech disorder	3	0
Concentration disturbance	2	1
Respiratory		
Rhinitis	14	9
Pharyngitis	10	9
Cough increased	8	6
Skin and appendages		
Rash	10	5
Pruritus	3	2
Special senses		
Diplopia	28	7
Blurred vision	16	5
Vision abnormality	3	1
Urogenital	The state of the s	·
Female patients only	(n = 365)	(n = 207)
Dysmenorrhea	7	(n = 207)
Vaginitis	á	l i
Amenorrhea	7	1
I Advance on other days are and in a	t least 2% of patients treated with SUBVENITE and at a greater incidence the	4

Adverse reactions that occurred to at least 2% of patients measted with SURVENTE and at a general residence than placebo.

Patients in these adjunctive trials were receiving 1 to 3 of the concomitant antispleptic dengic carbamazepits, phenymin, phenobarbital, or printdone in addition to SUBVENITE or placebo. Patients may have reported multiple adverse reactions during the trial or at discontinuation, thus, patients may be unded in more than 1 category.

In a randomized, parallel trial comparing placebo with 300 and 500 mg/day of SUBVENITE, some of the more common drug-related adverse reactions were dose related (see Table 9).

Table 9. Dose-Related Adverse Reactions from a Randomized, Placebo-Controlled Adjunctive

	Percent of Patients Experiencing Adverse Reactions		
Adverse Reaction	Placebo (n = 73)	SUBVENITE 300 mg (n = 71)	SUBVENITE 500 mg (n = 72)
Ataxia	10	10	28 a,b
Blurred vision	10	11	25 ^{a,b}
Diplopia	8	24 a	49 a,b
Dizziness	27	31	54 a,b
Nausea	11	18	25 a
Vomiting	4	11	18 a

Vomsting 4 11

a Significantly greater than placebo group (P<0.05).

b Significantly greater than group receiving SUBVENITE 300 mg (P<0.05).

The overall adverse reaction profile for SUBVENTIA was similar between females, and males and we see that the state of the state of the subvention of the subvention of the subvention of the subvention of adverse reaction reports by rac. Generally, females receiving either SUBVENTIA in adjunctive theory or placebo were more likely to report absence reaction than males. SUBVENTIA is adjunctive theory or placebo were more likely to report absence reaction than males. SUBVENTIA is adjunctive theory or placebo were more likely to report absence reaction than males and an antice position of a corresponding difference by greater on placebook was distincted followers. In Edward the subvention of the subvention of

Controlled Monotherapy Trial in Adults with Partial-Onset Scizures: Table 10 lists adverse reactions tha occurred in patients with epilepsy treated with monotherapy with SUBVENITE in a double-blind trial following discontinuation of either conconitant carbamazepine or phenytoin not seen at an equivalent frequency in the control group.

Table 10. Adverse Reactions in a Controlled Monotherapy Trial in Adult Patients with Partial-Onset Seizures al

		Percent of Patients Receiving Low-Dose Valproate
	Percent of Patients Receiving SUBVENITE ^c as Monotherapy (n = 43)	^d Monotherapy (n = 44)
Body as a whole		
Pain	5	0
Infection	5	2
Chest pain	5	2
Digestive		
Vomiting	9	0
Dyspepsia	7	2
Nausea	7	2
Metabolic and nutritional		
Weight decrease	5	2
Nervous		
Coordination abnormality	7	0
Dizziness	7	0
Anxiety	5	0
Insomnia	5	2
Respiratory		
Rhinitis	7	2
Urogenital (female patients only)	(n = 21)	(n = 28)
Dysmenorrhea	5	0

Description:

O

Adverse succions that occurred in at least 7% of patients reasted with SUBVENTE and at a greater facilities to the subground-reasted patients.

Patients in this trial were convened to SUBVENTE or oulpease monotherapy from adjunctive therapy with carbamazepine or phenytoin. Patients may have reported multiple adverse succions during the shall thus, patients may be helided in more than 1 casegory.

1 to 100 mg/stp.

- 1,000 mg/stp.

Adverse reactions that occurred with a frequency of <5% and >2% of patients receiving SUBVENITE and namerically more freques that pithcebs were: Body on a blible: Nebellani, Kreer. Digeoide: America, day much, rectal benorthage, peptic ulcer. Methodic and Winterschift Peripheral edents

Nervous System: Annesia, ataxia, depression, hypesthesia, libido increase, decreased reflexes increased reflexes, nystagmus, irritability, suicidal ideation.

Respiratory: Epistaxis, bronchitis, dyspnea.

Respiratory: Epistaxis, bronchitis, d Skin and Appendages: Contact derm Special Senses: Vision abnormality.

Special sciences, vision annuments

Incidence in Controlled Adjunctive Trials in Pediatric Patients with Epilepsy: Table 11 lists advers
reactions that occurred in 339 pediatric patients with partial-ornest seizures or generalized seizures of
Lempos-Gastunt syndrome who received SUBVENITE up to 15 mgkgkgly or anximum of 750 mgkda

maximum of 750 mgkda

Table 11. Adverse Reactions in Pooled, Placebo-Controlled Adjunctive Trials in Pediatric Patients with Epilepsy ^a			
Body System/Adverse Reaction	Percent of Patients Receiving SUBVENITE(n = 168)	Percent of Patients Receiving Placebo (n = 171)	
Body as a whole			
Infection	20	17	
Fever	15	14	
Accidental injury	14	12	
Abdominal pain	10	5	
Asthenia	8	4	
Flu syndrome	7	6	
Pain	5	4	
Facial edema	2	i i	
Photosensitivity	2	0	
Cardiovascular			
Hemorrhage	2	1	
Digestive			
Vomiting	20	16	
Diarrhea	11	9	
Nausea	10	2	
Constination	4	2	
Dyspepsia	2	1	
lemic and lymphatic			
Lymphadenopathy	2	1	
detabolic and nutritional			
Edema	2	0	
Vervous system			
Somnolence	17	15	
Dizziness	14	4	
Ataxia	11	3	
Tremor	10	1	
Emotional lability	4	2	
Gait abnormality	4	2	
Thinking abnormality	3	2	
Convulsions	2	1	
Nervousness	2	1	
Vertigo	2	1	
Respiratory			
Pharyngitis	14	11	
Bronchitis	7	5	
Increased cough	7	6	
Sinusitis	2	1	
Bronchospasm	2	1	
škin			
Rash	14	12	
Eczema	2	1	
Pruritus	2	1	
special senses	5	1	
Diplopia		1 :	
Blurred vision	4 2	1 0	
Visual abnormality	2	0	
Jrogenital		l .	

Bipolar Disorder in Adults

Authors Accounts and Management of the Company of t

(8%), dream abnormativy (8%), and prurius (8%). During the monotherapy phase of the double-blind placebro-controlled trials of 18 months' duration, 13% of 227 patients who received SUBVENITE (100 a 400 mg/shy), 16% of 150 patients who received placebro, and 23% of 165 patients who received platebro, and 25% of 165 patients who received platebro, and substrate restricts in 25% approximation of SUBVENITE where read (8)% and antialy popumalisation from a doublewer restricts (25%), Approximately 16% of 2.60 discontinued therapy because of an adverse reaction, must commonly due to rath (5%) and mustaly-popumalisation mode adverse restriction, must commonly due to rath (5%) and

The overall adverse reaction profile for SUBVENITE was similar between females and males, between elderly and nonelderly patients, and among racial groups.

Table 12. Adverse Reactions in 2 Piacebo-Controlled 1 rials in Adult Patients with Bipolar 1 Disorder ***				
Body System/Adverse Reaction Pe	ercent of Patients Receiving SUBVENITE(n = 227	Percent of Patients Receiving Placebo (n = 190)		
General				
Back pain	8	6		
Fatigue	8	5		
Abdominal pain	6	3		
Digestive				
Nausea	14	11		
Constipation	5	2		
Vomiting	5	2		
Nervous System				
Insomnia	10	6		
Somnolence	9	7		
Xerostomia (dry mouth)	6	4		
Respiratory				
Rhinitis	7	4		
Exacerbation of cough	5	3		
Pharyngitis	5	4		
Skin				
Rash (nonserious) c	7	5		

Other reactions that occurred in 5% or more patients but equally or more frequently in the placebo group included: dizziness, mania, headache, infection, influenza, pain, accidental injury, diarrhea, and dysnessia.

dospepsia.

Adverse reactions that occurred with a frequency of < 5% and > 1% of patients receiving SUBVENITE and numerically more frequent has place to were:

General: Fever, seek-paint.

Curdiouscular: Migraine.

Dignitive: Flautiere.

Metabolic and Nurristonal: Weight gains, derma.

Metabolic and Nurristonal: Weight gains, derma.

Metabolic and Nurristonal: Weight gains, derma.

Nervous System: Amersia, depression, agistation, emptional lability, dyspeasia, showrmal thoughts, dream dissurantily, lipopeasies.

Respiratory: Sinusitis.

Urogenital: Urinary frequency.

Uroganiski Urinary frequency.

Adverse Roctions (Johnsy Admya Discontinuation: In the 2 controlled clinical trials, there was no increase in the incidence, severity, or type of adverse reactions in patients with hipple discorder after adopting terminal giverage with SURVENTE. In the chinical developmen program in adults with the chapted perminant giver and the state of the chapter and the state of the chapter and the chapter and the state of the chapter and the chapter and

patients record with Uniform (n = 200), and "No of patients record with place bot (n = 803).

2. Other: Advance Advances Recursion (Description 11 Table 11 Table 11 Table 12 Table 12

Body as a Whole

Hody as a Whole
Infrequent: Allergic reaction, chills, malaise.
Cardiovascular System

Infrequent: Flushing, hot flashes, hypertension, palpitations, postural hypotension, syncope, tachycardia, vasodilation.

Infrequent: Acne, alopecia, hirsutism, muculopapular rash, skin discoloration, urticaria. Rare: Angioodema, erythema, exfoliative dermuitis, fungal dermuitis, herpes zoster, leukoderma, miliforme erythema, petechal rash, pusualar rash, Severea-Johnson syndrome, vesiculobullous rash. Digestive System

Infrequent: Dysphagia, eructation, gastritis, gingivitis, increased appetite, increased salivation, liver function tests abnormal, mouth ulceration.

Rare: Gastrointestinal hemorrhage, glossitis, gum hemorrhage, gum hyperplasia, hematemesis, hemorrhagic colitis, hepatitis, melena, stomach ulcer, stomatitis, longue edema.

Endocrine System

Rare: Goiter, hypothy

Hematologic and Lymbatic System Infrapeure: Exchymosis, Jeslopenia Juryapeure: Exchymosis, Jeslopenia Juryapeure; Juryapeure, Metabolic and Mittiman Disorders.

Infrequent: Aspartate transaminase increased.

Rare: Alcohol intolerance, alkaline phosphatase increase, alanine transaminase increase, bilirubinemia, general edema, gamma glutamyl transpeptidase increase, hyperglycemia.

general edorm, gamma guananyu anospepunuta-Musculoakeleali System Infrequent: Arthritis, leg cramps, myasthenia, twitching. Rare: Bursitis, muscle atrophy, pathological fracture, tendinous contracture.

Nervous System

Frequent: Confusion, paresthesia.

Rath (monerisons)⁴

Adverse ractions that occurred in at least 5% of patients treated with SUBVENITE and at a greater incidence than pilected.
*Patients in takes to that were converted in a least 5% of patients treated with SUBVENITE and at a greater incidence than pilected.
*Patients in takes trials were converted to SUBVENITE (100 to 400 mg/ds) or pilecteds nonombrany from add-on therapy with other psychotropic mode discidence. The time that the patients are the state of the trials, patients any be included into more than that category.
*In the overall hippid and other mode disorders clinical ratio, the rate of serious each team of 50% (1 of 1,233) of adult patients who received SUBVENITE.
**In the overall hippid and other mode disorders clinical ratio, the rate of serious each team of 50% (1 of 1,233) of adult patients who received SUBVENITE as adjustment where the representation and Personations (1.31).
**In the overall hippid and other mode disorders clinical ratio and other mode disorders clinical ratio.
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Infrequent: Akathisia, apathy, aphasia, central nervous system depression, depersonalization, dysar dyskinesia, euphoria, hallucinations, hostility, hyperkinesia, hypertonia, libido decreased, memory decrease, mind racing, movement disorder, myoclonus, pariac attack, paramoid reaction, personality disorder, psychosis, sleep disorder, stupor, suicidal ideation.

Rere. Chorco-thesis, delirium, delisionis, dysploria, dystoria, extrapysamidal syndrome, faintness, grand mul convolsions, hemiplegia, hyperalgesia, hyperselsesia, hypokinesia, hypotonia, muric depression reacción, muric e spanm, neuralgia, neurosis, paralysis, peripheral neuritis.

Respiratory. System

Infrequent: Yawn. Rare: Hiccup, hyperv

Special Senses

Frequent: Amblyopia.

Infrequent: Ahnormality of accommodation, conjunctivitis, dry eyes, ear pain, photophobia, taste preversion timitus.

Rare: Deafness, lacrimation disorder, oscillopsia, parosmia, ptosis, strabismus, taste loss, uveitis, visual field defect.

vissas irrus orecs.

Linguesiali State un etc.

Inferçoneri Absorum ej sculudios, hematuria, impotence, menorrhagia, polyuria, urinary incontinence.

Romer Actus idade plainer, aurogannia, henat absoress, hreat neoplasm, creatinine increase, cystitis, otyouria, epidodynitis, female lactation, kidney failure, kidney pain, nocturia, urinary resention, urinary ungersy.

urgensy.

Cal Pastinadering Experience
The following adverse exection have been identified during postapproval use of SUBVENTE.
The following adverse exection have been identified during postapproval use of SUBVENTE.
Because these recroim are reported violatishly from a population of uncertainsize, it, is not alwo possible to reliably estimate their frequency or establish a causal relationship to drug exposure.
Blood and Lymphic.
Agranulocytosis, hemolytic aremia, lymphadonepathy not associated with hypersemitivity disords (agranulocytosis, hemolytic aremia, lymphadonepathy not associated with hypersemitivity disords (agranulocytosis, hemolytic aremia, lymphadonepathy not associated with hypersemitivity disords (agranulocytosis, hemolytic aremia, lymphadonepathy not associated with hypersemitivity disords (agranulocytosis, hemolytic aremia, lymphadonepathy not associated with hypersemitivity disords (agranulocytosis, hemolytic agranulocytosis, hemolytic aremia, lymphadonepathy not associated with hypersemitivity disords (agranulocytosis, hemolytic aremia, lymphadonepathy not associated with hypersemitivity disords (agranulocytosis, hemolytic aremia, lymphadonepathy not associated with hypersemitivity disords (agranulocytosis, hemolytic aremia, lymphadonepathy not associated with hypersemitivity disords (agranulocytosis, hemolytic aremia, lymphadonepathy not associated with hypersemitivity disords (agranulocytosis, hemolytic aremia, lymphadonepathy not associated with hypersemitivity disords (agranulocytosis, hemolytic aremia, lymphadonepathy not associated with hypersemitivity disords (agranulocytosis, hemolytic agranulocytosis, hemolytic aremia, lymphadonepathy not associated with hypersemitivity disords (agranulocytosis, hemolytic agranulocytosis, hemolytic aremia, lymphadonepathy not associated with hypersemitivity and lymphadonepathy not associated with hypersemitivity and lymphadonepathy not associated with lymphadonepathy not associated with lymphadonepathy not associated with lymphadonepathy not associat

Pancreatis.
| Immunologic
| Lapon-lile reaction, vasculitis.
| Labora Resistators
| Apress |
| Apre

Nervous System

Aggression, exacerbation of Parkinsonian symptoms in patients with pre-existing Parkinson's disease, tics.

Non-site Specific
Progressive immunosuppres

7 DRUG INTERACTIONS

ctions with SUBVENITE are sur

Significant drug interactions with SIBVENITE are summarized in this section. Unifine 5-disposing-placemoulty mathematics (UCI) have been destined as the enzymes responsible for metabolism of lamosityine. Drugs that induce or inhibit glucurounidation may, therefore, affect the apparent clearance of lamosityine. Storage of mortaeire induces or in deep cycluctors Pad 30 Ald CVP2A44 coayne, which are also have no induce UCI, may also estimate the overlation of lamosityine. Those drugs that have been demonstrated to have a clinically singularized images on lamosity given and demonstration extension. The storage of the demonstration of lamosity given and Aministration extends here. Design and Aministration extends here. Some district the description of lamosity and definite alternative three after interactions here.

Additional details of these drug interaction studies are provided in the Clinical Pharmicology se [see Clinical Pharmacology (12-3)].

Table 13. Established and Other Potentially Significant Drug Interactions

Concomitant Drug	Effect on Concentration of SUBVENITE or Concomitant Drug	Clinical Comment
Estrogen-		Decreased lamotrigine concentrations approximately 50%.
containing oral contraceptive preparations containing 30 mcg ethinylestradiol and 150 mcg levonorgestrel	levonorgestrel	Decrease in levonorgestrel component by 19%.
Carbamazepine and carbamazepine epoxide		Addition of carbamazepine decreases lamotrigine concentration approximately 40%.
		May increase carbamazepine epoxide levels.
Lopinavir/ritonavir	1 lamotrigine	Decreased lamotrigine concentration approximately 50%.
Atazanavir/ritonavir	1 lamotrigine	Decreased lamotrigine AUC approximately 32%.
Phenobarbital/primidone	1 lamotrigine	Decreased lamotrigine concentration approximately 40%.
Phenytoin	1 lamotrigine	Decreased lamotrigine concentration approximately 40%.
Rifampin	1 lamotrigine	Decreased lamotrigine AUC approximately 40%.
Valproate		Increased lamotrigine concentrations slightly more than 2-fold.
	? valproate	There are conflicting study results regarding effect of lamotrigine on valproate concentrations: 1) a mean 25% decrease in valproate concentrations in healthy volunteers, 2) no change in valproate concentrations in controlled clinical trials in patients with epilepsy

Decreased (induces lamotrigine glucuronidation).
 Tell Increased (inhibits lamotrigine glucuronidation).
 Tell Conflicting data.

Effect of SUBVENITE on Organic Catonic Transcorter 2 Substates.

Lamoritgine is an inhibitor of renal shoular secretion via organic cationic transporter 2 (OCT2) protein

gree Clinical Pharmacology (12.3). This may result in increased plasma levels of certain drugs that are
substantially exerced via this rouse. Coadministration of SUBVENITE with OCT2 substrates with a
morrow therapeut in the (e.g., a felficille) to not recommended.

8 USE IN SPECIFIC POPULATIONS

BUSE IN SPECIFIC POPULATIONS

21 Prepares

As with after Almost physiological charges shring pragency my affect lamorique concentration
and where ACDs, physiological charges shring pragency my affect lamorique concentration
and the frequency letter. There have been reporte of decreased lamoriquise concentration thrigg
praguacy and restoration of pre-partum concentration after delivery. Design adjustments may be
meetaway to maintain littled response.

Praguacy Classicas 22.

Praguacy Classicas 24.

Praguac

the higher dose rested. When pregnant raw were administered lamortiquie (road doses of 5, 10, or 20 mg/kg) during the latter part of gestation, increased of fighting mortality (including still british) was seen at all doses. The lowest feeter dose for pregionsal developmental activity in arts is between the states of 400 mg/kg) on a ngian* bank. Material toxicity was observed in the 2 linghest doses tested. Lamortiquie deverses stell of lates concentrations in raw, enfect extensive the Sexociated with adverse to the concentration of the states of the sta

8.2 Lactation
Risk Jammaz;
Lamorigipie is present in milk from lactating women taking SUBVENITE (see Data). Neonotes and
young infants are artick for high serum levels became maternal serum and milk levels can true to high
woung infants are artick for high serum levels became maternal serum and milk levels can true to high
delivery to the pre-pergancy dosage. Glucuroridation is required for drug clearance.
Glucuroridation capture, is insmature in the infant and this may also contribute to the level of
lamorigine exposure. Events including rash, aprea, dovoxitens, poor sacking, and poor weight gain
material exposure. Events including rash, aprea, dovoxitens, poor sacking, and poor weight gain
examilates on the contribution of the result of the sacking of the sac

Scib Venil E or from the unnertying material common.

Clinical Considerations

Human millo-fed infants should be closely monitored for adverse events resulting from lamolrigine.

Measurement of infant sent nevels should be performed to rule out toxicity if concerns arise. Human millo-feeding should be discontinued in infants with lamonifying the axicity. Data

Data from multiple small studies indicate that lamotrigine plasma levels in nursing infants have been reported to be as high as 50% of maternal plasma concentrations.

8.4 Pediatric Use

A Pediatric Use

Efinizing
SIDVENTE is indicated as adjunctive therapy in patients aged 2 years and older for partial-onset
sentence, the generalized sentence of Lemans-Cantant syndrome, and PCTC netraces.
SIDVENTE is indicated as adjunctive therapy in patients aged 2 years and older for partial-onset
sentence, the generalized sentence of Lemans-Cantant syndrome, and PCTC netraces.
The sentence is as small, randomized, double blind, place-the-controlled withherapd still in very young
positive; patients, geld 10 12 minute). SURVENTET was associated with an increased risk for
infections adverse reaction (SURVENTE 23%, Partice 5%), and repitative adverse reaction
infection syst infection, onlike sterras, planythis, trainty article afterion, and vital infection.
Respiratory adverse reactions included anal congestion, cough, and appea.

Respiratory adverse reaction included mad congestion, could, and aprec.

[Bloodal Disorder.

Step and efficiency of SUBVENITE for the maintenance treatment of bipolar disorder were not established in a double-billed, randomized withdrawed, placebo-controlled trial that evaluated 301 per polaric patterns again to 10 years with outcome of withdrawed, placebo-controlled trial that evaluated 301 per polaric patterns again to 10 years with outcome and complexed produced and outcome of the placebo-controlled trial that evaluated 301 per polaric patterns again to 10 years with outcome for correct material postures, depressed, or mixed most occurred in an least 50's of patterns using placebo (no 80) were influenzed GUBVENITE 618%, placebo 28%, prophers again GUBVENITE 618%, placebo 28%, prophers again GUBVENITE 618%, placebo 308%, prophers again GUBVENITE 618%, placebo 30

Unvenile Animal Data

in the control of the

on a night basis.

As Gerianic Use
Clinical value of SUBVENITE for spilepay and hipplar disorder did not include sufficient numbers of
clinical value of SUBVENITE for spilepay and hipplar disorder did not include sufficient numbers of
substance aged 65 years and older to determine whether they respond differently from younger patients
exhibit a different safety profile than that of younger patients, in general, done selection for an olderly
patient should be causious, socially starting at the low end of the dosign range, reflecting the greater
frequency of decreased hepatic, resul, or cardiac function and of concomitant disease or other drug
therapy.

tabjects with mid, moderate, and severe liver impairms face Clinical Permonatology (12-21), the control of the

12.3)]. Italiaid doses of SUBVENITE should be based on patients' AED regimens; reduced maintenance doses may be effective for patients with significant renal impairment. Few patients with severe renal impairment have been evaluated during chronic tearment with huntrigine. Because there is indequate experience in this population, SUBVENITE should be used with caution in these patients [see Dosage and Administration (2.1)].

10.1 Human Overdose Experience
Overdoses involving quantities up to 15 g have been reported for SUBVENITE, some of which have been faul. Overdose has resulted in ataxa, psyagmas, seizures (including noin-clotic seizures), decreased level of conciousness, own, and intraventicular conduction delay.

10.2 Management of Overdose

10.2 Management of Overdose
There are no specific anidoses for lamurigine. Following a suspected overdose, hospitalization of the patient is advised. General supportive care is indicated, including frequent motioning of vital signs and close observation of the patient. It indicates, emiss should be latered, usual precautions should be taken to prove the alway, It should be lept in raind that intendate release lamurigine is rapidly taken to prove the alway, It should be lept in raind that intendate release lamurigine is rapidly of the control of the province of the control of the magnetic of the overdosage of SUMPSWITE.

I IDESCRIPTION
SURVENTE an AED of the phenyltrianine class, is chemically surelated to existing AED.
Lamotigipus's chemical name is 3.5-diamino-6-(2.3-dichlorophenyl) -as viration, in molecular formula
is cl₂1/4/8-cf₂-3, and in molecular weights 25:0.00.1 anatomized, USFs a white to pade erason
colored powder and has a pl₄ of 25.7. Lamotigipus, USFs in very slightly soluble in twenty (0.17 mg/d.
25°C) cash slightly soluble in (1.18 Hild C44 lamotigit. 25°C, 21°C). The survenular formula

SUBVENTE (Intensityine) soblets, USP are supplied for oral administration a 25-mg (white to off white), 100-mg (white to off white), and 200-mg (white to off white) are considered to the contract of the contract of

12 CLINICAL PHARMACOLOGY

12.1 Mechanism of Action

12.1 Mechanism of Action
The precise reculturation by which lamutigine exerts in anticomodant action are unleavon lo animal models designed to detect autocomodant activity, lamutigine was effective in preventing seizure spread in the maximum electrostock (MSR) and perspicentazioni (Gebel 1918, and prevented seizures in the visually and electrically evoked after-discharge (EEAD) text for antiepleptic activity.

Lamutigine also dapped inhibitory prompteries in the kinding unded in rate both draited development and in the fully kindled size. The relevance of these models to human epilepsy, however is not known.

of recognision and time they assure a section of the composition of th

The mechanisms by which lamotrigine exerts its therapeutic action in bipolar disorder have not been

12.2 Pharmacody

Folate Metabolism

Links attenuissis
In how, laure give instituted disputatione reducence, the empty that cardying the reduction of
how, laure give instituted disputatione of the copies may interfer with the hospitudes of
macliei acids and proteins. When oral daily doses of laurentique were given to pregnet ran during
organgeresis, facil, placental, and intendin foliac concentrations were reduced. Significantly reduced
concernations were absorveduced in male ran given repeated oral doses of lauretique here
concernations were partially returned on norm when supplemented with foliaties acid.

Accumulation in Kidneys

Melanin Binding

Lamotrigine binds to melanin-containing tissues, e.g., in the eye and pigmented skin. It has been found in the uveal tract up to 52 weeks after a single dose in rodents.

L'arthonoculair

In dogs, Jamonigne is estemively metabolized to a 2-N-methyl metabolite. This metabolite canoes dons-dépendent prolongations of the PR interval, videring of the QRS complex, and, at higher donse, complex AV Condition Boleck. Smillar cardiovascular effects as not articipated inhums because only some amount of the 2-N-metalyl metabolite (0.05 to of lamonigine door) have been found in hums the cardiovascular effects as the condition of the 2-N-metalyl metabolite (0.05 to of lamonigine door) have been found in hums the cardiovascular effects and the termonal transfer condition of the condition of t

12.3 Pharmacokinetics

Table 14. Mean Pharmacokinetic Parameters ^a in Healthy Volunteers and Adult Subjects with Epilepsy

		T	t	
	Number of Subjects	max: Time of Maximum Plasma Concentration (h)	1/2: Elimination Half-life (h)	CL/F: Apparent Plasma Clearance (mL/min/kg
Healthy volunteers taking no other medications: Single-dose SUBVENITE				
Multiple-dose SUBVENITE	179	2.2	32.8	0.44
		(0.25 to 12.0)	(14.0 to 103.0)	(0.12 to 1.10)
	36	1.7	25.4	0.58
		(0.5 to 4.0)	(11.6 to 61.6)	(0.24 to 1.15)
Healthy volunteers taking valproate: Single-dose SUBVENITE				
reality voluncers taking vaproute. Single-took SODVENTE		1.8	48.3	0.30
Multiple-dose SUBVENITE	6	(1.0 to 4.0)	(31.5 to 88.6)	(0.14 to 0.42)
		1.9	70.3	0.18
	18	(0.5 to 3.5)	(41.9 to 113.5)	(0.12 to 0.33)
Subjects with epilepsy taking valproate only: Single-dose SUBVENITE				
	4	4.8	58.8	0.28
		(1.8 to 8.4)	(30.5 to 88.8)	(0.16 to 0.40)
Subjects with epilepsy taking carbamazepine, phenytoin, phenobarbital, or primidone				
plus valproate: Single-dose SUBVENITE			27.2	0.53
	25	3.8 (1.0 to 10.0)	(11.2 to 51.6)	0.53 (0.27 to 1.04)
		(1.0 to 10.0)	(11.2 to 51.6)	(0.27 to 1.04)
Subjects with epilepsy taking carbamazepine, phenytoin, phenobarbital, or primidone:				
Single-dose SUBVENITE	l			
	24	2.3	14.4	1.10
Multiple-dose SUBVENITE	l	(0.5 to 5.0)	(6.4 to 30.4)	(0.51 to 2.22)
	17	2.0	12.6	1.21
	17	(0.75 to 5.93)	(7.5 to 23.1)	(0.66 to 1.82)
The majority of parameter means determined in each study had coefficients of variation between 20%	and 40% for half life as			

number of volunteero/subjects in each study. The numbers in parentheses below each parameter mean represent the range of individual volunteerisabject values across studies.

*Cardonarespine, phenyonia, phenologically and primitione have been shown to increase the apparent clearance of lamortigine. Europea-containing onal contrace-prises and other drugs, such as rifampin and protease hibitiors logical/virtinosavir and stazz indicate lamortigine feet interpressional feet interpression feet in the contrace-prises and other drugs, such as rifampin and protease hibitiors logical/virtinosavir and stazz indicate lamortigine feet may information (7).

Lamoritine is rapidly and completely absorbed after oral administration with negligible first-pass metabolism (absolute bioavailability is 98%). The bioavailability is not affected by food. Peak plasma concentrations occur anywhere from 1.4 to 4.8 hours following drug administration.

concentration occur anywhere from 1.4 to 4.8 hours following drug administration.

Date Ermonionality
Inhebidy and the second of Distribution

Distribution

Estimates of the mean apparent volume of distribution (VoE) of Immulgiple following and administration ranged form 0.9 to 1.1 L/g., VoE is independent of done and is similar following single and mulgiple doses in two planes with epilepsy and in headably volumerare.

Protein Bilding

Dose from in view stadies indicate that learnerigine is approximately 50% bound to human plasma protein at plasma lumerigine concentrations from 1 to 10 meg/nt, 10 meg/nt, 1s 4 no 6 times the rough plasma concentration observed in the controlled efficacy trisials. Because humarigine is not highly bound to plasma proteins, clinically significant interactions with other drugs through competition for protein building is size as cultiley. The bilding of interruptive to be hum presented in other drugs the presence other AEDs (carbamazepine, phenyonis, phenyon

Metabolism

MEMBOILEM.

Lamoritigine is metabolized predominantly by glucuronic acid conjugation; the major metabolite is an inactive 2-N-glucuronide conjugate. After oral administration of 240 mg of ¹⁴C-lamoritigine (15 pC) to 6 healthy volunters, 9-5% was recovered in the crise and 25 was recovered in the fees. The radioactivity in the unire consisted of unchanged lamoritigine (10%), the 2-N-glucuronide (76%), a 5-N-glucuronide (76%), a 2-N-medyla metabolite (14%), and the unidentified mine metabolites (45%).

The effects of lamotrigine on the induction of specific families of mixed-function oxidase isozyme have not been systematically evaluated.

Following multiple administrations (150 mg twice daily) to normal volunteers taking no other medications, lamotrigine induced its own metabolism, resulting in a 25% decrease int 16 and a 37%

increase in CLF at steady state compared with values obtained in the same volunteers following a single dose. Evidence gathered from other sources suggests that self-induction by lamming in must occur when lamming into signs and adjunctive therapy in patients receiving engruer-inclining drugs such as carbamagepine, phenytoin, phenobarbital, printidose, or other drugs such as if lampin and the protease inhibitors to jonivaritionavit and attacent/intonavit that induce learninging efficiency conditions for Europe such protections and adjunction of the such as a such a

Elimination

The elimination half-life and apparent clearance of SUBVENITE following oral administration of lamotrigine to adult subjects with epilepsy and healthy volunteers is summarized in Table 14. Half-life and apparent oral clearance vary depending on concomitant AEDs.

The apparent clearance of lamotrigine is affected by the coadministration of certain medications [see Warnings and Precautions (5.8, 5.12), Drug Interactions (7)].

The net effects of drug interactions with lamotrigine are summarized in Tables 13 and 15, followed by details of the drug interaction studies below.

Table 15. Summary of Drug Interactions with Lamotrigine					
	Drug Plasma Concentration with Adjunctive Lamotrigine	Lamotrigine Plasma Concentration with Adjunctive Drugs			
Drug	à a	ь			
Oral contraceptives (e.g., ethinyl estradiol/levonorgestrel) c	d	1			
Aripiprazole	Not assessed	*			
Atazanavir/ritonavir	1	1			
Bupropion	Not assessed	**			
Carbamazepine		1			
Carbamazepine epoxide 8	?				
Felbamate	Notassessed	**			
Gabapentin	Notassessed	**			
Lacosamide	Not assessed	**			
Levetiracetam	**	**			
Lithium	**	Not assessed			
Lopinavir/ritonavir	*	1			
Olanzapine	**	e			
Oxcarbazepine	**	**			
10-	**				
Monohydroxy oxcarbazepine metabolite					
Perampanel	Not assessed	**			
Phenobarbital/primidone	**	1			
Phenytoin	**	1			
Pregabalin	**	**			
Rifampin	Not assessed	1			
Risperidone	**	Notassessed			
9-Hydroxyrisperidone i	**				
Topiramate	j	**			
Valproate	1	1			
Valproate + phenytoin and/or	Not assessed	**			
carbamazepine					
Zonisamide	Not assessed	**			
From adjunctive clinical trials and volunteer					

- From adjustment clinical risks and solutioner trials.

 From adjustment clinical risks have designed by manual fearness values oftentiated in adjustment clinical risks and volunteer trials.

 Fine effects were resulted by comparing the preparations of human regular content floring on the pharmacolasters of humanique has not been type-marked by resultable variety on the pharmacolasters of humanique has not been type-marked by resultable variety on the pharmacolasters of humanique has not been type-marked by resultable variety on the pharmacolasters.

 Sught decrease, one expected in the chically meaningful.

 For administrated, has an active metabolist of continuous gainer.

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 Some administrated place and extension and the continuous gainer.

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Estrogen-Containing Oral Contraceptives

In its female voluments, most of contrastery or personal reconstruing 30 m gs of implemental and 150 m in 16 female volumenters, among contrastery or personal reconstruing 30 m gs of implemental and 150 m in 16 m i

us many GITIME CYCL.

Gradual transient increases in lamoritypize plasma levels (approximate 2-fold increase) occurred during the week of inactive hormous preparation [nill-free week) for women not also taking a drug that increased the clearance of lamoritypic (enthumageine, phospiss) plenorbarbaila, principione, or other drugs such a rifampia and the protease inhibitors lopiomic/rismoniz and assumptivitions with a lamority of the contraction in the contraction of the contraction of the contraction of the contraction in the contraction of the contraction of

Increases in limentifyine planus levels could result in dose-dependent adverse reactions. In the same study, conduminisation of lamaging (no 80 m) qubby in 16 female volumeres did not affect the pharmacoliterities of the ethniques to the contractive of the contractive preparation. There were not to the contractive of the contractive

controlled clinical trials.

The clinical significance of the observed hormonal changes on ovolatory activity is usbrown. However, the possibility of decreased contraceptive efficiency in some patients cannot be excluded. The control of the contr

Other Hormonal Contraceptives or Hormone Replacement Therapy

The effect of other hormonal contraceptive preparations or hormone replacement therapy on the pharmincointenics of lamitrigine has not been systematically evaluated. It has been reported by the desired the pharmincointenic or lamitrigine up to 2-food, and the elimitrigine up to 2-food, and the proper of the proper of the proper of lamitrigine up to 2-food, and the properties of the properties of SURVENITE in this presence of properties of SURVENITE in this presence of properties allow will likely not be needed.

concommant namorigate to me instortcat data of our potartacolateness in the assertice of tamorigate.

Rampropion

The pharmacolatenetics of a 100-mg single dose of lamoritgine in healthy volunteers (n = 12) were not changed by coadministration of bupropion sustained-release formulation (150 mg twice daily) starting

11 days before lamoritgine.

Limitation production of the production of the control of the cont

The addition of carbamazepine decreases lamotrigine steady-state concentrations by app 40%

40%. Erlhamme
In a trial in 21 healthy volunteers, coadministration of felbamate (1,200 mg twice daily) with lamotrigine (100 mg twice daily for 10 days) appeared to have no clinically relevant effects on the pharmacolization. Of lamotrigine.

pharmaconnection on International Conference of this action that of the prescribers about the aware of this action when prescribing other medication that inhibit foliae metabolism.

wener prescribing omer medications that inhibit folate metabolism.

Lacosamide

Plasma concentrations of lamotrigine were not affected by concomitant lacosamide (200, 400, or 600 mg/day) in placebo-controlled clinical trials in patients with partial-onset seizures.

Gabapentin

Based on a retrospective analysis of plasma levels in 34 subjects who received lamotrigine both with and without gabapenin, gabapenin does not appear to change the apparent clearance of lamotrigine.

Leveliracitam Potential drug interactions between leveliracetam and lamorigine were assessed by evaluating serum concentrations of both agents during placebo-controlled clinical trials. These data indicate that lamorigine does not influence the pharmacolonietics of leveliracetam and that leveliracetam does not influence the paramacolonietics of lamoritigine.

influence the pharmacoliseries or inthosogone.

Lithiam

The pharmacoliseries of lithiam were not altered in healthy subjects (n = 20) by coadministration of lamoritize (100 mg day) for 6 days.

Loginari/Rimoni;

The addition of lonjunivi (400 mg twice daily)virounivi (100 mg twice daily) decreased the AUC, C mass and climination half-life of lamoritizine by approximately 50% to 55.4% in 18 healthy subjects. The half-day of lonjuniviriounivir were similar with concomitant lamoritizine, compared with the inhartirial controls.

of manuface common.

The AUC area of classappies were visitale following the addition of obscappine (15 ag once daily).

The AUC area (200 ag once daily) is behalfly made voluments of the compared with the AUC and C.

The AUC area (200 ag once daily) is behalfly made voluments of the compared with the AUC and C.

The AUC and C. The compared with the AUC and C. The compared storage (= 10). In the same trial, the AUC and C. The compared to the compared to the control in behalfly made voluments compared with those receiving humanifigure stades; the Call anging the launching in the help that voluments compared with those receiving humanifigure states; the compared to the Calledon possessing of the compared to the Calledon possessing and the compared to the Calledon possessing and the compared to the Calledon possessing and the control of the compared to the Calledon possessing and the Calledon possessing and the calledon possessing and the compared to the comp

espected to be clinically menasque.

Decardancipia:

The AUC and C_{max} of accordancipies and its active 10-monhydroxy oxerbaseptie metabolile were not spirit cardly different following he addition of oxerbaseptine (600 mg solve fully) to laminigize reciving coxerbaseptine alone (n = 13).

In the same trial, he AUC and C_{max} of Interruptive were intelligible policy in the same trial, he AUC and C_{max} of Interruptive vertically allowing the addition of oxerbasepties (600 mg hoire daily) to lamorigize were similar following the addition of oxerbasepties (600 mg hoire daily) to lamorigize were similar following the addition of oxerbasepties (600 mg hoire daily) to lamorigize were similar following the addition of oxerbasepties (600 mg hoire daily) to lamorigize in shealthy under volunteres compared with function of the control of the c

recampaner
In a pooled analysis of data from 3 placebo-controlled clinical trials investigating adjunctive perampane
in patients with partial-ornet and primary generalized tonic-cloric seizures, the highest perampanel dose
evaluated (12 mg/day) increased lamotrigine clearance by <10%. An effect of this magnitude is not
considered to be clinically relevant. considered to be clinically relevant.

Phenobarbital, Primidone

The addition of phenobarbital or primidone decreases lamotrigine steady-state concentrations by approximately 40%.

Themtoin

Lamotrigine has no appreciable effect on steady-state phenytoin plasma concentrations in patients with

epilepsy. The addition of phenytoin decreases lamotrigine steady-state concentrations by approx 40%.

In 10 mile volunteers, rifampin (600 mg/day for 5 days) significantly increased the apparent clearance of a single 25-mg dose of lamotrigine by approximately 2-fold (AUC decreased by approximately 40%).

Risperidone

In a 14 healthy volunteers study, multiple oral doses of lamortigine 400 mg daily had no clinically significant effect on the single-dose pharmschafteness of risperiolong with materials and state the studies of the Off risperiolone. Following the conditionation of risperiolong with materials. 2 of the 14 volunteers reported somewhere compared with 1 out of 20 when risperiolone was given alone, and none when lamortigine was administered alone.

resulted in a 15% increase in superaneae...

When lammingtim was administered in healthy volunteers (n = 18) receiving sulprause, the trough Standard Standa

Administration in a study in 18 patients with epilepsy; condensistration of zoniamside (200 to 400 mg/dsy) with in a study in 18 patients with epilepsy; condensistration of zoniamside (200 to 400 mg/dsy) with a significant effect on the pharmaculameter of learning in the condensistration of the contraction of the contraction of the condensistration of the condens

Other. The river assessment of the inhibitory effect of lamoritgine at OCT2 demonstrate that lamoritgine, but the NG2 gluterountle metabolite, is, an inhibitor of OCT2 at governally clinically relevant to the NG2 gluterountle metabolite, is, an inhibitor of OCT2 at governally clinically relevant to the NG2 gluterountle clinically relevant to the NG2 gluterountle clinically considerated to the NG2 gluterountle clinical section of the NG2 gluterountle clinical section of the NG2 gluterountle clinical section of an interpolite, clinically and interpolite clinical section of the NG2 gluterountle clinical sec

Results of in vitro experiments suggest that lamotrigine does not reduce the clearance of drugs eliminated predominantly by CYP2D6.

eliminated predominantly by CVPZEs.

Secrific Population

Pariette via Renal Importance: Twelve volumers: with chronic renal failure (man creations

Pariette via Renal Importance: Twelve volumers: with chronic renal failure (man creations)

Pariette via Renal Importance: Twelve volumers: with chronic renal failure (all contents). The mean plasma half-lives determined in the study were each
given a single 100-mg dose of lamaritigine. The mean plasma half-lives determined in the study were

lemendalsysis) compared with 26.2 bours in healthy volumers. On average, approximately 20% (range:

56 to 33.1) of the amount of lamaritigine reserved in the body was climitated by hermoldisty salting a 4
bour reason (per Dosage and Administration (2.1)).

hour session face Dosage and Administration (2.1)]. Perliems with Faperia, Impairment. The planner with Faperia moderate, and severe height impairment. The planner coloration of Immorigine following a single 100-mg dose of Immorigine verse evaluated in 24 subjects with mild, moderate, and severe height impairment (2.1)high classification system and compared with 12 subjects without peacing immort was resulted to the subjects with severe height impairment were without actives, (a - 2) or with active in -5). The mean appear with severe height impairment were moderated to the soft of the subjects with severe height impairment were no 30 no 10,00 g, 0.24 s 1.0, 0.21 a 50.04 and 0.15 s 0.09 mild milding in the position of the subjects with mild moderate, severe whothen actives and severe with a discline so Immorigine in subjects with mild, moderate, severe whothen actives and severe with a cattle beginn impairment were 46 z 20, 7.2 a 4, 6.7 t.1, and 100 a 40 hours, respectively, as compared with 3.27 a hours in healthy countries feet Donage and Administration (2.1)).

Politarie Politaries. The pharmacolisation of submitting following a single 2-rough does were evaluated in 2 studies in predictire subjects (n = 28 for subjects aged 10 months to 5.5) years and an advantage of the contract of the contract

pediatric patients are summarized in Table 16. Population pharmochimic analyses involving subjects aged 2 to 18 years demonstrated that lammtrigine clearance was influenced predominantly by total body weight and concurrent AED therapy. The out clearance of lammtrigine was highly-en, on body verigit that concurrent AED therapy. The out clearance of lammtrigine was highly-en, on body verigit that, in pediatric patients that in compared with those weighing 200 kg, Accordingly, patients weighing, 200 kg my used an increase of a much as 50% in minimument does, beard on clinical response, a compared with subjects weighing more than 30 kg being administered of the same AED (see Dosage and Administration (2.2)). These significantly influence by age. Thus, the same weights object does should be administered to children irrespective of differences in age. Concominate AEDs which influence lammtrigine clearance in adults were fround to have similar effects in children.

Tuot to attain an annual and a state of the						
Pediatric Study Population	Number of Subjects	T max(h)	t _{1/2} (h)	CL/F (mL/min/kg)		
Ages 10 months to 5.3 years Subjects taking carbamazepine,						
phenytoin, phenobarbital, or	10	3.0	7.7 (5.7 to 11.4)	3.62 (2.44 to 5.28)		
primidone ^a		(1.0 to 5.9)				
Subjects taking antiepileptic						
drugs with no known effect on the apparent clearance of lamotrigine Subjects taking	7	5.2	19.0 (12.9 to 27.1)	1.2 (0.75 to 2.42)		
		(2.9 to 6.1)				
valproate only	8	2.9	44.9	0.47		
	-	(1.0 to 6.0)	(29.5 to 52.5)	(0.23 to 0.77)		
Ages 5 to 11 years Subjects taking carbamazepine,						
phenytoin, phenobarbital, or	7	1.6 (1.0 to 3.0)	7.0 (3.8 to 9.8)	2.54 (1.35 to 5.58)		
primidone a						
Subjects taking carbamazepine,	8	3.3 (1.0 to 6.4)	19.1 (7.0 to 31.2)	0.89 (0.39 to 1.93)		
phenytoin, phenobarbital, or						
primidone a plus valproate						
Subjects taking valproate only b	3	4.5 (3.0 to 6.0	65.8 (50.7 to 73.7	0.24 (0.21 to 0.26)		
Ages 13 to 18 years Subjects taking carbamazepine,						
phenytoin, phenobarbital, or	11	c	c	1.3		
primidone a						
Subjects taking valproate only	4	c	c	0.3		
Carbamazenine, phenytoin, phenobarbital, and primidone have been shown to increase the ar	poarent clearance of lam	otrigine. Estroge	n-containing oral cor	straceptives, rifampin,		

Geriarie Panionic. The pharmacolairedics of lamoritgine following a single 150-mg dose of lamoritgine were evaluated in 12 electry volunteers between the ages of 65 and 76 years (mean-creatinine clearate of all-ultim, range; 120. 100 fl. ml.imi.) for mean-hall-fiel of lamoritgine in these subjects was 31.2 hours (range; 23.5 to 43.4 hours), and the mean-clearate was 0.40 fl. ml.iming (range; 0.55 to 0.48 and ml.imig). And the mean-clearate was 0.40 fl. ml.iming (range; 0.55 to 0.48 and ml.imig). And the mean-clearate was 0.40 fl. ml.iming (range; 0.55 to 0.48 and ml.iming). And the mean-clearate was 0.40 fl. ml.iming (range; 0.55 to 0.48 and ml.iming). And the mean-clearate was 0.40 fl. ml.iming (range; 0.55 to 0.48 and ml.iming). And the mean-clearate with epilepsy on a stable dose of valgrouse (n = 77 mean-range) havening for every flew of the mineral flew results were 2.8% to 5% higher (0.15 to 27 mineral). The mean-clear havening flew or common sudport of twenty flew results and 5% higher (0.15 to 0.5% higher (0.15 to

Racial or Ethnic Groups: The apparent oral clearance of lamotrigine was 25% lower in non-Caucasians than Caucasians.

13.1 Carcinogenesis, Mutagenesis, Impairment of Fertility
No evidence of carcinogenicity was seen in mouse or rat following oral administration of lamotrigine
for up to 2 years at dones up to 30 ong/algolym all 10 to 15 ong/algolym in mouse and rat respectively. The
indigest dones setted are less than the hamm dose of 400 ong/day on a body surface area (ng/m²) basis. Lamotrigine was negative in in vitro gene mutation (Ames and mouse lymphoma tk) assays and in clastogenicity (in vitro human lymphocyte and in vivo rat bone marrow) assays.

14 CLINICAL STUDIES

14.1 Epilepsy

sufficient surprise of the processing of the pro

universex: interticacy based on age, sex, or race were detected.

Patients in the control group were intentionally treated with a relatively low dose of valproate; as such, the sole objective of this trial was to demonstrate the effectiveness and safety of monotherapy with SUBVENTE, and cannot be interpreted to imply the superiority of SUBVENTE to an adequate dose of valproate.

Adjunctive Therapy with Lamotrigine in Adults with Partial-Onset Seizures

Adjanction: Therapy, with Lamorization in Adults with Bertal-Otteet Sciences. The refrectiveness of SUBVENTIE as a glottered berrapy (adults) on other AEDs) was initially established in 3 pivousl, multicreare, placebo-communiled, double-bland clienci attais in 305 adults with in significant control of the properties of the state of the state

efficacy unids.

On trial (n = 20) was a double-blint, placebo-controlled, parallel trial consisting of a 24-week treatment period. Patients could not be on more than 2 other anticonsulsants and valgroute was not allowed. Posters were rendomized to receive placebo, a target does of 300 mg/day of SUNYENTE, or a target does of 500 mg/day of SUNYENTE. The median reductions in the frequency of all parallal control of the contr

periods were analyzed, the median change in seizure frequency was a 25% reduction on SUBVENITE compared with placebox (P-0.0011). The fairth rial (a -14) was a double-blint, placebox-controlled, crossover trial consisting of two 12-week reasures periods separated by a 4-week washout period. Patients could not be on more than 20 often anticontinuous. This times patients were on concentant adjusted, these patients reviewed the control of the places of the places

No differences in efficacy based on age, sex, or race, as measured by change in seizure frequency, were detected.

No differences in efficacy based on age, see, or race, as measured by change in serame rerepency, were descreted.

Adjunctive Therapy with SUBVENTIE in Pediatric Patients with Partial-Onest Sciences.

The effectiveness of SUBVENTIE as a adjunctive therapy in pediatric patients with partial-onest sciences was established in a multicature, coulde-blind, placebo controlled trial in 199 patients aged 2 to 16 years (as 9 do 30 do 180 patients). Tolkiving and seven khostine places, patients were one of the partial patients of the patients of

Adjunctive Therapy with SUBVENITE in Pediatric and Adult Patients with Lennox-Gastaut Syndrome Admention Therany with SUBVENTE in Pedianic and Adult Patients with Lemons Castatus Syndroms. The effectiveness of SUBVENTE as a givenive the region is passions with Lemons Castatus Syndroms was established in a midscener, double-blind, placebo- convolled rial in 169 patients aged 3 to 25 years, (in Part of Subvenity at Avenet, high-blind, placebo blane, patients were readoutzed in 16 weeks of the amount with SUBVENTE or placebo adde by their current AED adjustment of the subvenitured by the subvenitu

Adjunctive Therapy with SUBVENITE in Pediaric and Adult Patients with Primary Generalized Tonic Clonic Seizure.

Cloid: Céstimes

The effectiveness of SUBVENITE as adjunctive therapy in patients with PGTC seitures was established in a midiscener, double-blind, placebo comolled rial in 117 pediatric and ability patients and patient patients and patients and patients and ability patients and patients and patients are self-as USEVENITE as "50 on placebo, Platents with a testa's PGTC seitures daring and-week baseline phase were randomized to 19 to 24 weeks of treatment with SUBVENITE or placebo added to their current ALD regiment on the 12 drugs, Patients were dozed on a fixed-doze regimen, with target dozes to anging from 3 to 12 mg/kg/day for pediatric patients and from 200 to 40 mg/kg/for after pediatric patients and from 200 to 40 mg/kg/for after pediatric patients and from 200 to 40 mg/kg/for after pediatric patients and from 200 to 40 mg/kg/for after pediatric patients and from 200 to 40 mg/kg/for after pediatric patients and from 200 to 40 mg/kg/for after pediatric patients and from 200 to 40 mg/kg/for after pediatric patients and from 200 to 40 mg/kg/for after pediatric patients and from 200 to 40 mg/kg/for after pediatric patients and from 200 to 40 mg/kg/for after pediatric patients and 40 mg/kg/for after pediatric patients and from 200 to 40 mg/kg/for after pediatric patients and from 200 to 40 mg/kg/for after pediatric patients and from 200 to 40 mg/kg/for after pediatric patients and from 200 to 40 mg/kg/for after pediatric patients and from 200 to 40 mg/kg/for after pediatric patients and from 200 to 40 mg/kg/for after pediatric patients and from 200 to 40 mg/kg/for after pediatric patients and from 200 to 40 mg/kg/for after pediatric patients and from 200 to 40 mg/kg/for after pediatric patients and from 200 to 40 mg/kg/for after pediatric patients and from 200 to 40 mg/kg/for after pediatric patients and from 200 to 40 mg/kg/for after pediatric patients and from 200 to 40 mg/kg/for after pediatric patients and from 200 to 40 mg/kg/for after pediatric patients and from 200 to 40 mg/kg/for after pediatric patien

The primary efficacy endpoint was percentage change from baseline in PGTC seizures. For the intent to-treat population, the median percent reduction in PGTC seizures was 66% in patients treated with SUBVENTE and 34% on placebo, a difference that was statistically significant (P = 0.006).

14.2 Bipolar Disorder

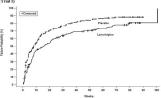
14.2 Bipolar Disorder

Adulta

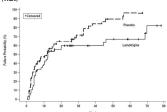
The conference of SUNYENTE in the minerance reneme of Signile I disorder was enablished in minerance of Signile I disorder was enablished in minerance of Signile I disorder was enablished in DNA (Conference of Sunye I) who met DNA (Conference of Sunye I) who met DNA (Conference of Sunye I) who met disorder. That I centiled patients with a current or recent (within 60 May) depressive pipelose due faired by DNAW and Trail I almost depositions with a current or recent disorder. (10 depositions of the Conference of Sunye I (Conference of Sunye I) who may be conference of the Sunye I (Conference of Sunye I) with rapid cycling bipolar disorder (4 to 6 pricedure provide provide of Sunye I (Conference of Sunye I) with rapid cycling bipolar disorder (4 to 6 pricedure where the Sunye I (Conference of Sunye I) with rapid cycling bipolar disorder (4 to 6 pricedure where the Sunye I (Conference of Sunye I) with rapid cycling bipolar disorder (4 to 6 pricedure where the Sunye I (Conference of Sunye I) with rapid cycling bipolar disorder (4 to 6 pricedure of Sunye I) with rapid cycling bipolar disorder (4 to 6 pricedure of Sunye I) with rapid cycling bipolar disorder (4 to 6 pricedure of Sunye I) with rapid cycling bipolar disorder (4 to 6 pricedure of Sunye I) with rapid cycling bipolar disorder (4 to 6 pricedure of Sunye I) with rapid cycling bipolar disorder (4 to 6 pricedure of Sunye I) with rapid cycling bipolar disorder (4 to 6 pricedure of 8 to 6 pricedure of

egionde could be depression, main, hypomasis, or arrace departs. To the lack of efficiency). The mood episode could be depression, main, hypomasis, or arrace departs. 250 mg/ds (n = 1 mg/ds) (n = 1

Figure 1: Kaplan-Meier Estimation of Cumulative Proportion of Patients with Mood Episode (Trial 1)



ion of Cumulative Proportion of Patients with Mood Epis Figure 2: Kaplar (Trial 2)



16 HOW SUPPLIED/STORAGE AND HANDLING

SUBVENITE (lamotrigine) tablets, USP 200 mg

White to off white, round shape, flat face beveled edge, uncoated tablets debossed with "20LA" on one side and break line on other side.

NDC: 70518-2645-00 100 in 1 BOX

NDC: 70518-265-01 1 in ir PUNCAN Starage
Starage 30° ta 25° C (68° to 77° F); excursions permitted to 15° to 30° C (69° to 86° F) [See USP Cartralled Room Temperature]
Remech Repack, Inc.
625 Koller Dr. Suite 84 Indians, PA 1-724-465-8762

17 PATIENT COUNSELING INFORMATION

se the patient to read the FDA-approved patient labeling (Medication Guide).

Rash

Bash

Prior to initiation of treatment with SLBVENTE, informpatients that a rash or other signs or symptoms of hypersensitivity (e.g., fevere, lymphaderogadny) may herald a serious medical event and instruct them to report any such courarsee to their healthcare providers insteaded.

Hemphagocytic Lymphabhiatoryania.

Hemphagocytic Lymphabhiatoryania.

Prior to initiation of treatment with SUBVENTE, inform patients that excessive immune activation may occur with SUBVENTE and that they should report sign or symptoms such as fever, rash, or lymphaderogadny to a beafficing environment of the strength of

anisms, and REBERGE conjuints, and families that AEDs, including SUBVENITE, may increase the risk of saticful thoughts and behavior, Instruct them to be alter for the emergence or worseing of symptoms of depression, any unusual changes in most of behavior, on the emergence of saticful thoughts or behavior or thoughts about self-harm Instruct them to immediately report behaviors of concerns the first behavior and the satisful concerns the depression of processing the satisful concerns the satisful that are providers.

Worsening of Seizures
Instruct patients to notify their healthcare providers if worsening of seizure control occurs.

nanate, puners to stury users reasonate provincies in workstaing to return control occurs. Certail Nervous Metern Adverse Effects and extra festive studies, someoleruce, and other symptoms and signs of certail nervous systemidepression. Accordingly, instruct themserisher to drive a car not to operate other complex mechinery until shey have gained sufficient experience on SUBVENITE to gauge whether or not it adversely affects their metal analogy motor performance.

not it adversely affects their metal andor motor performance.

Pregioner, and Mixma.

Instruct patients to moitly their behalten envolved in 1 fleey become pregnant or intend to become
pregnant daing themselve and of they intend to breastfeed or are breastfeeding an infant.

Encourage patients we recall in the NAALD Pregnancy Registry if they become pregnant. This registry

Encourage patients we recall the NAALD Pregnancy Registry of they become pregnant. This registry

can call the stall-free position (6.1). Also patients

can call the stall-free position (6.1). Also patients

can call the stall-free position (6.1). The proposition (6.1). It is a stall proposition (6.1). The position (6.1) is a stall proposition (6.1). The position (6.1) is a stall proposition (6.1). The position (6.1) is a stall proposition (6.1) in the position (6.1) in the position (6.1) is a stall proposition (6.1). The position (6.1) is a stall proposition (6.1) in the position (6.1) in the position (6.1) is a stall proposition (6.1) in the position (6.1) in the posit Later an use univities minimer 196092239-239-1890 to 30 in Specia, Propingunionis (c.1)). Inform patients who intend to breastfeed that SUBVENTE is present in breast milk and advise them to moritor their child for potential adverse effects of this drug. Discuss the benefits and risks of continuing breastfeeding.

Oral Contraceptive Use

Instruct women to notify their healthcare providers if they plan to start or stop use of oral

contracepives or other female hormonal preparations. Surting estrogen-containing oral contracepives may significantly decrease lamorityine plasma levels and stupping estrogen-containing oral contracepives contracepives (managed to the plant plant levels for thomas of the plant levels for the plant leve

Instruct patients to notify their healthcare providers if they stop taking SUBVENITE for any reason and not to resume SUBVENITE without consulting their healthcare providers.

Instruction and such that is malaborate providers if they step plating SUIVENTE for any reason and not neruman SUEVENTE without combining their healthcare providers.

Assprint Mentingtin.

Assprint Mentingtin.

Inform patients that SUIVENTE myco carea experie meningtins, lammare them to notify their healthcare providers instruction in the control of their providers instruction.

Patients Medication Errors.

Patients Medication Errors.

To avoid a medication error of using the virong drug or formulation, strongly advice patients to visually impere their tables to verify that dray are lamoritgine, as well as the correct formulation of SUIVENTE, each time they fill their prevention plue Desage formulation of SUIVENTE, each time they fill their prevention plue Desage formulation of SUIVENTE, each patient to the Medication Guide that providers Repeakaged and Distributed Bys.

Remely Repack, inc.

G25 Solare Dr. Suite 44 Indians, PA 1-724-465-8762

Repackaged and Distributed Bys.

DRUG. 255-10-265-50

NDC. 2053-2645-50

NDC. 2053-2645-50

PACACAGING: 1in 1 FOUCH

OUTER PACKAGING: 100 in 1 BOX

ACTIVE NOREDEDINT(S):

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NDC #: 70518-2845-00
Expires:
LOT #:
Source NDC: 69102-0320-01
MFG: CWP, West Chicago, IL 80185
Keep this and all medication out of the reach of ch

remedy Precions For Use: See Package Insert

Grave alfo-312-(86-777); excertions permitted to \$1-317-(\$6-897)[\$6-803]\$

RX ONLY

Superinged by Ferrodystepost No., Indiana, FA 15/19 (724-69-878)

Subvenite 200 mg Tablet QTY: 1 NDC #: 70518-2645-01 Expires: LOT #: Source NDC: 69102-0320-01 MFG: CWP, West Chicago, IL 80185
Keep this and all medication out of the reach of children

remedy Process For Use: See Package Insert Control For Use: See Package Insert Control For Use: See Package Insert State (plant Type access from the Control For Package Insert See Pack

SUBVENITE Active Ingredient/Active Moiety
Ingredient Name
LAMOTRIGNE (UNE UNID 498KS) (LAMOTRIGNE - UNIT) Marketing Information

Marketing Caupery Application Number or Monograph Citation Marketing Start Date Marketing Caupery Application Number or Monograph Citation (224-2272)

ANDA (270-24-7272)

Labeler - REMEDYREPACK INC. (829572556)

REMEDYREPACK INC